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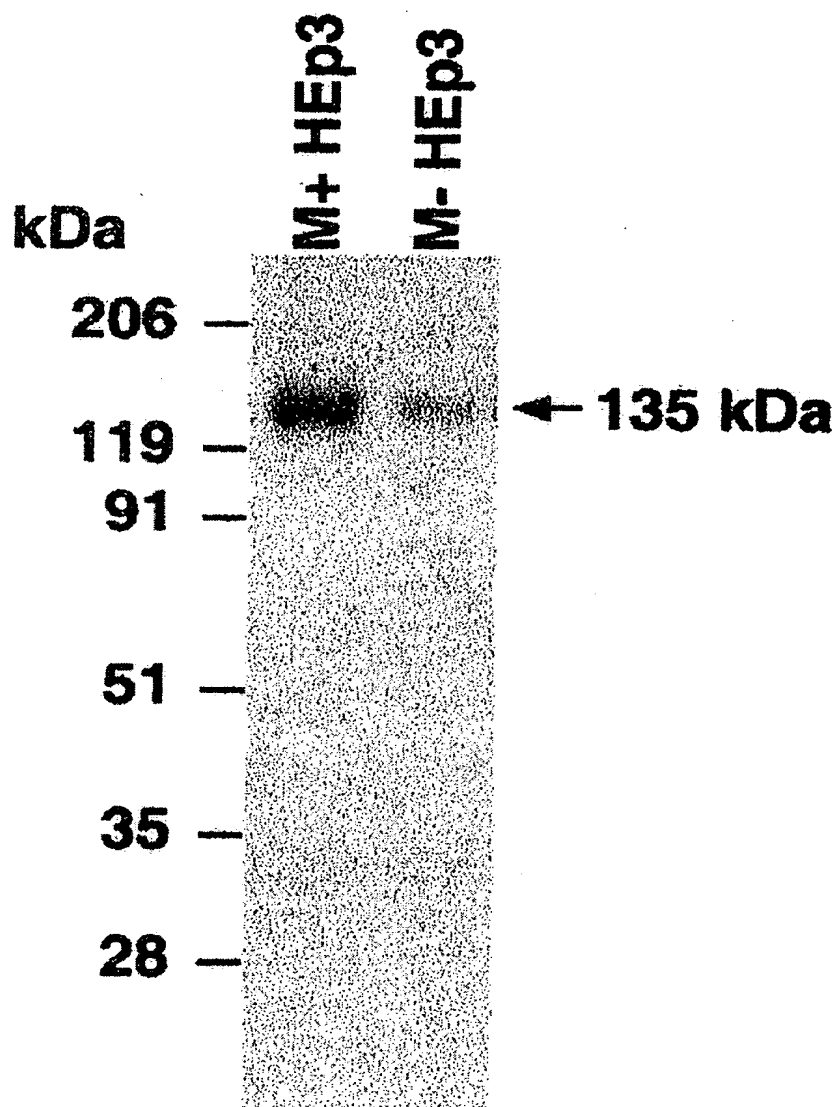


FIG. 1A

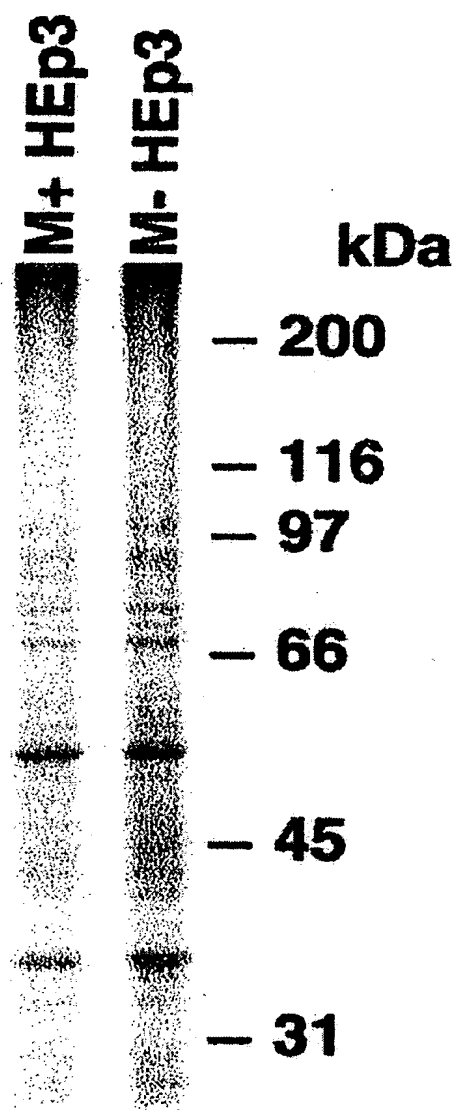


FIG. 1B

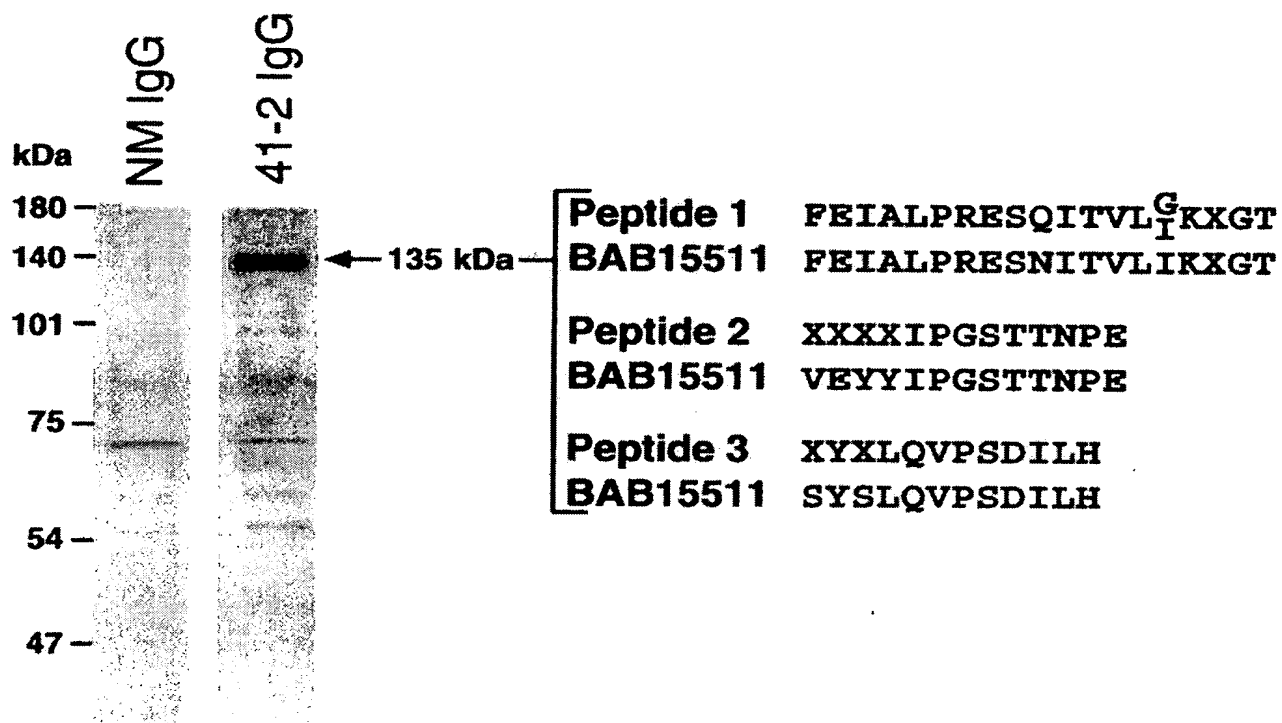


FIG. 2A

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maglncgvsiallgvlllgaaarlprgaafeialprresnitvli<sup>▲</sup>klgtpt 50  
LAKPCYIVISKRRHITMLSIKSGERIVFTFSCQSPENHFVIEIQKNIDCM 100  
SGPCPFGEVQLQPSSTSLPTLN<sup>▲</sup>R<sup>▲</sup>TFIWDVKAHKSIGLELQFSIPRLRQIG 150  
PGESC<sup>▲</sup>PDGVTHSISGRIDATVVRIGTFCSN<sup>▲</sup>GTVSRICKMQEGVKMALHLPW 200  
FHPRNVSGFSIANRSSIKRLCIIESVFEGEGSATLMSANYPEGEFPEDELM 250  
TWQFVVP<sup>▲</sup>AHLRASVSFLN<sup>▲</sup>ENLSN<sup>▲</sup>CE<sup>▲</sup>RR<sup>▲</sup>KE<sup>▲</sup>ER<sup>▲</sup>VE<sup>▲</sup>Y<sup>▲</sup>Y<sup>▲</sup>IP<sup>▲</sup>GS<sup>▲</sup>TT<sup>▲</sup>NP<sup>▲</sup>EV<sup>▲</sup>E<sup>▲</sup>KL<sup>▲</sup>ED<sup>▲</sup>K 300  
QPGNMAGN<sup>▲</sup>FNLSLQGCCDQDAQSPGILLRLQFQVLVQH<sup>▲</sup>PQNESN<sup>▲</sup>KIYVVDLS 350  
NERAMSLTIEPRPVKQSRKFVPGCFVCL<sup>▲</sup>ESRTCSSNLTLTSGSKHKISFL 400  
CDDLTRLWMNV<sup>▲</sup>EKTISCTD<sup>▲</sup>HRYCQR<sup>▲</sup>K<sup>▲</sup>SYSLQVPSDILHLPVELHDFS<sup>▲</sup>WKL 450  
LVPKDRLSLVLP<sup>▲</sup>AQK<sup>▲</sup>LQ<sup>▲</sup>QHTHEKPCNTSFSYLVASAIP<sup>▲</sup>SQDLYFGSFCP 500  
GGSIKQIQVKQ<sup>▲</sup>NISVTLRTFAPSFRQ<sup>▲</sup>EASRQGLTVSFI<sup>▲</sup>PPYFKEEGVFTVT 550  
PDTKSKVYLRTPNWDRGLPSLTSVSWN<sup>▲</sup>ISVPRDQVACLTFFKERSGVVCQ 600  
TGRAFMIIQEQRTRAEEIFFSLDEEDVL<sup>▲</sup>PKPSEHH<sup>▲</sup>SFWVNI<sup>▲</sup>SNCSPTSGKQ 650  
LDLLFSVTLTPRTVDLTVILIAAVGGGVLLLSALGL<sup>▲</sup>II<sup>●●●●</sup>ICCVKKKKKTNK 700  
GPAVGI<sup>▲</sup>Y<sup>▲</sup>NGNINTEM<sup>▲</sup>PRQPKKFQKGRKDNDSHV<sup>▲</sup>Y<sup>▲</sup>AVIEDTMV<sup>▲</sup>Y<sup>▲</sup>GHL<sup>▲</sup>LQDS 750  
SGSFLQPEVD<sup>▲</sup>T<sup>▲</sup>Y<sup>▲</sup>RPFFQGTMGVCP<sup>▲</sup>PPSPPTIC<sup>▲</sup>SRAPTAKLATEEPPPRSPPE 800  
SESE<sup>▲</sup>P<sup>▲</sup>Y<sup>▲</sup>TF<sup>▲</sup>SH<sup>▲</sup>PNNGDVSSKDTDIPLLSTQEPPMEPAE 836

(SEQ ID NO:1)

FIG. 2B

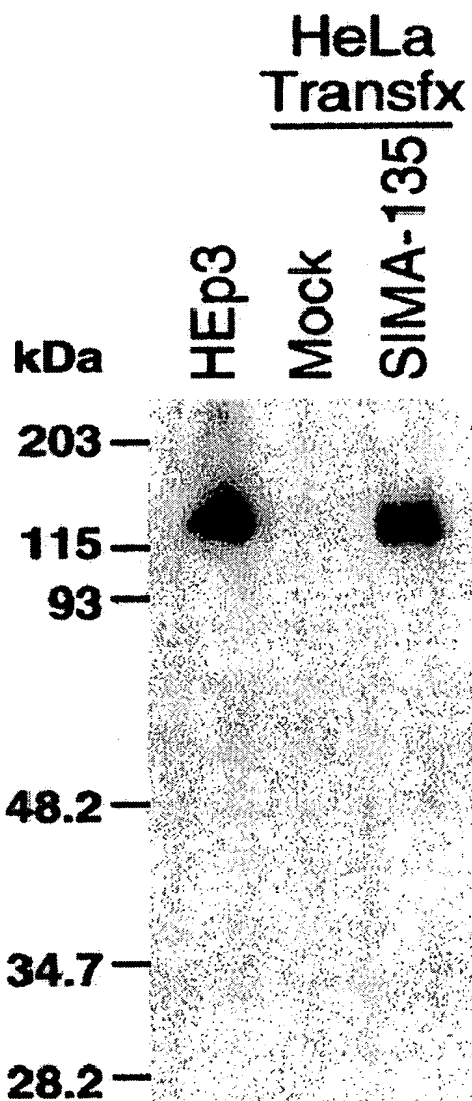


FIG. 2C

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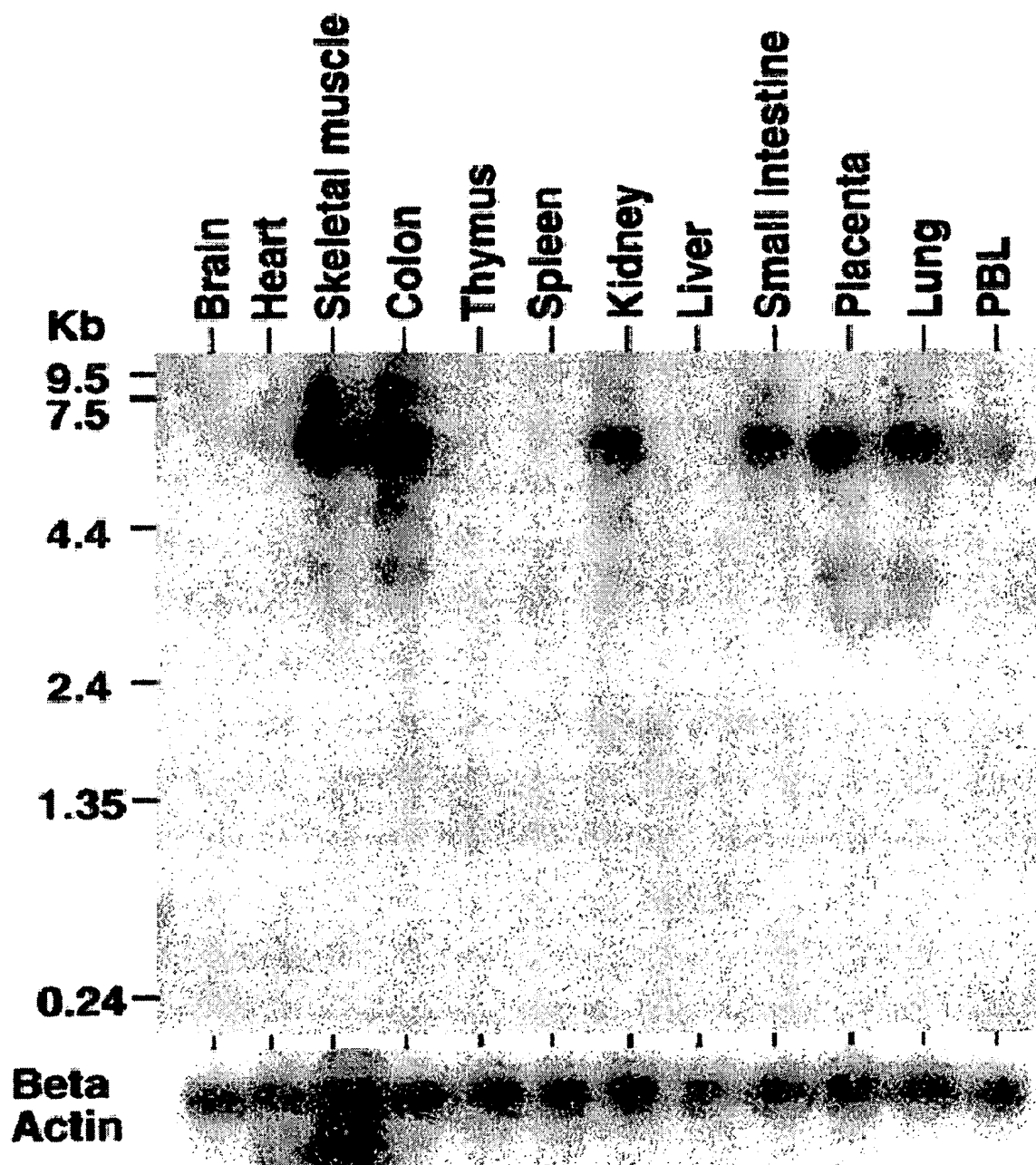


FIG. 3A

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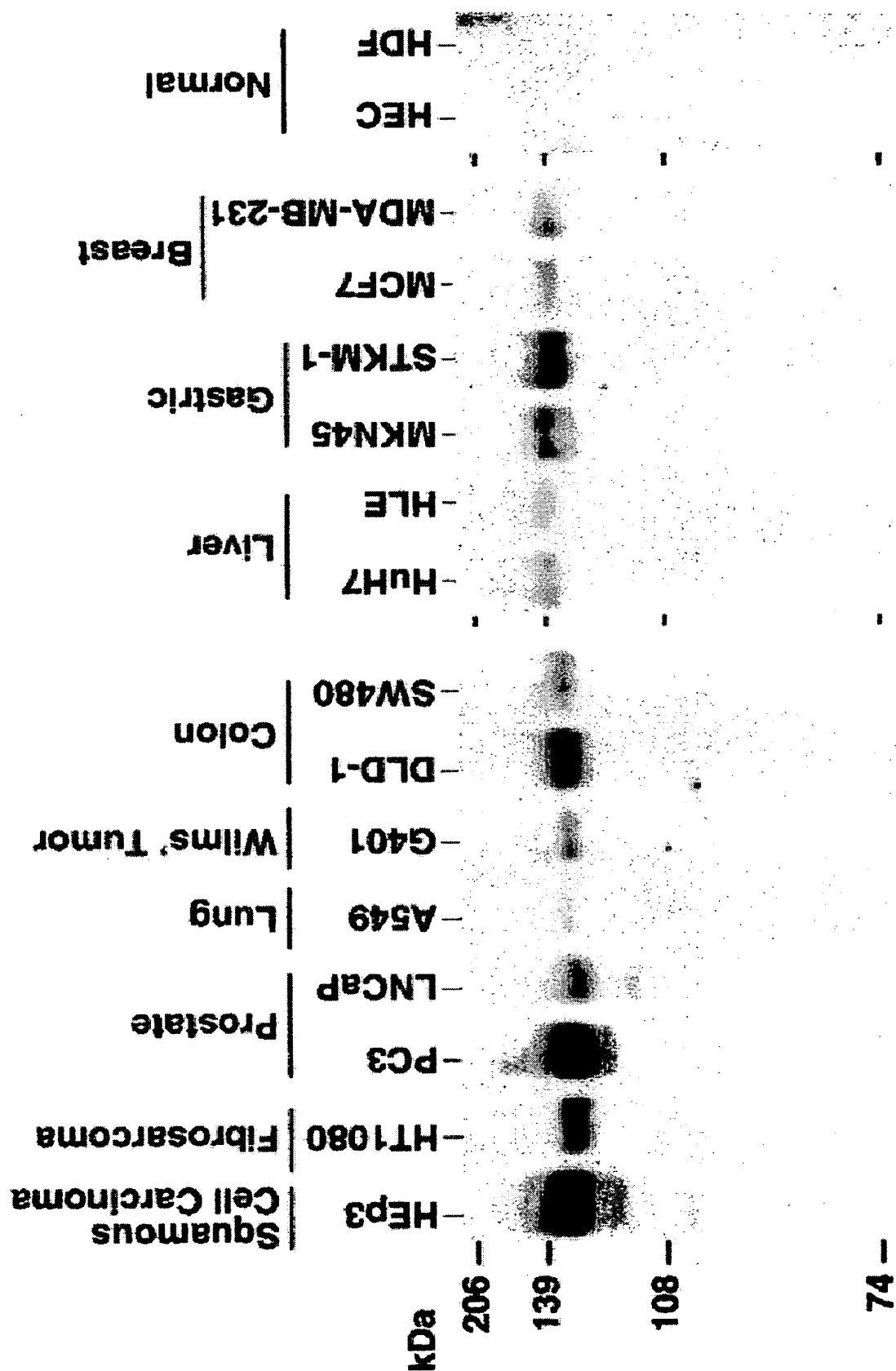


FIG. 3B



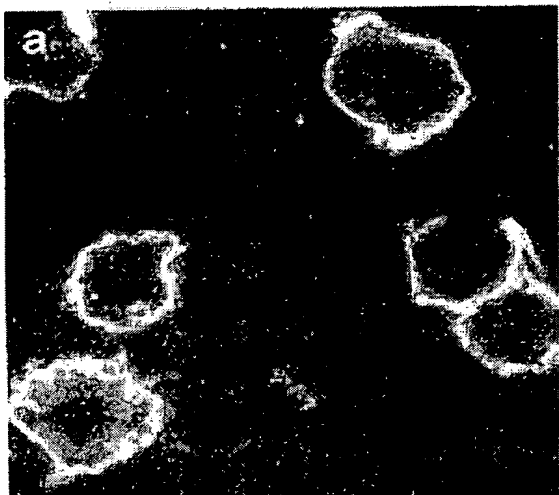


FIG. 4A

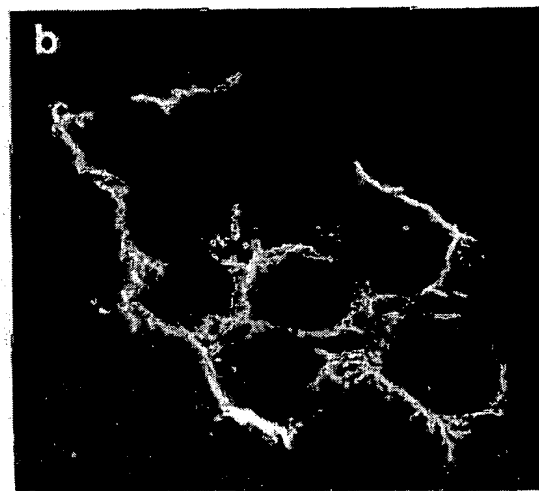


FIG. 4B

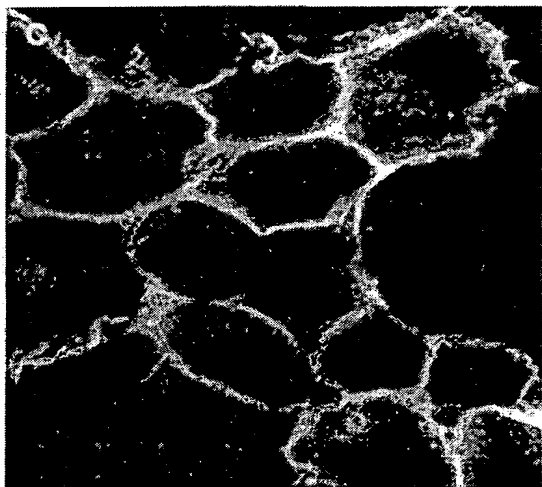


FIG. 4C

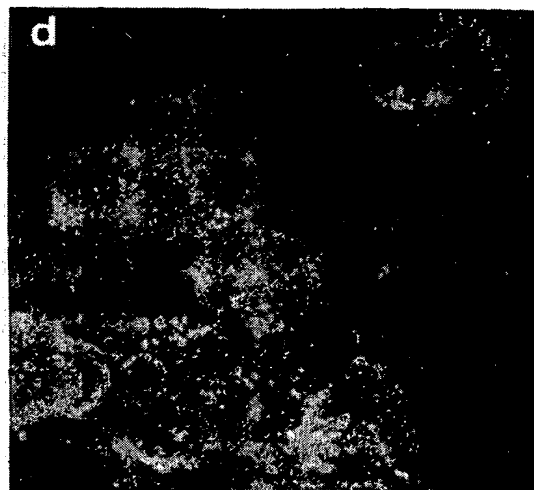


FIG. 4D

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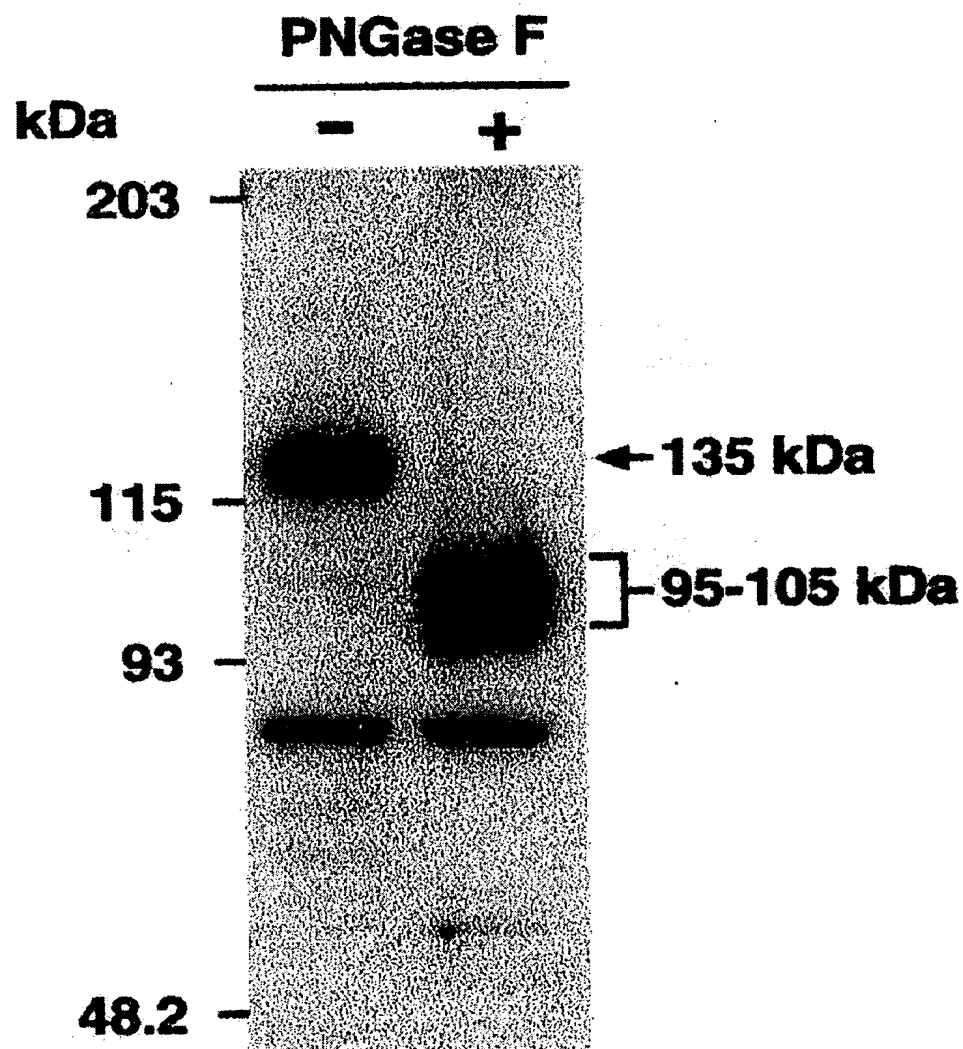


FIG. 5A

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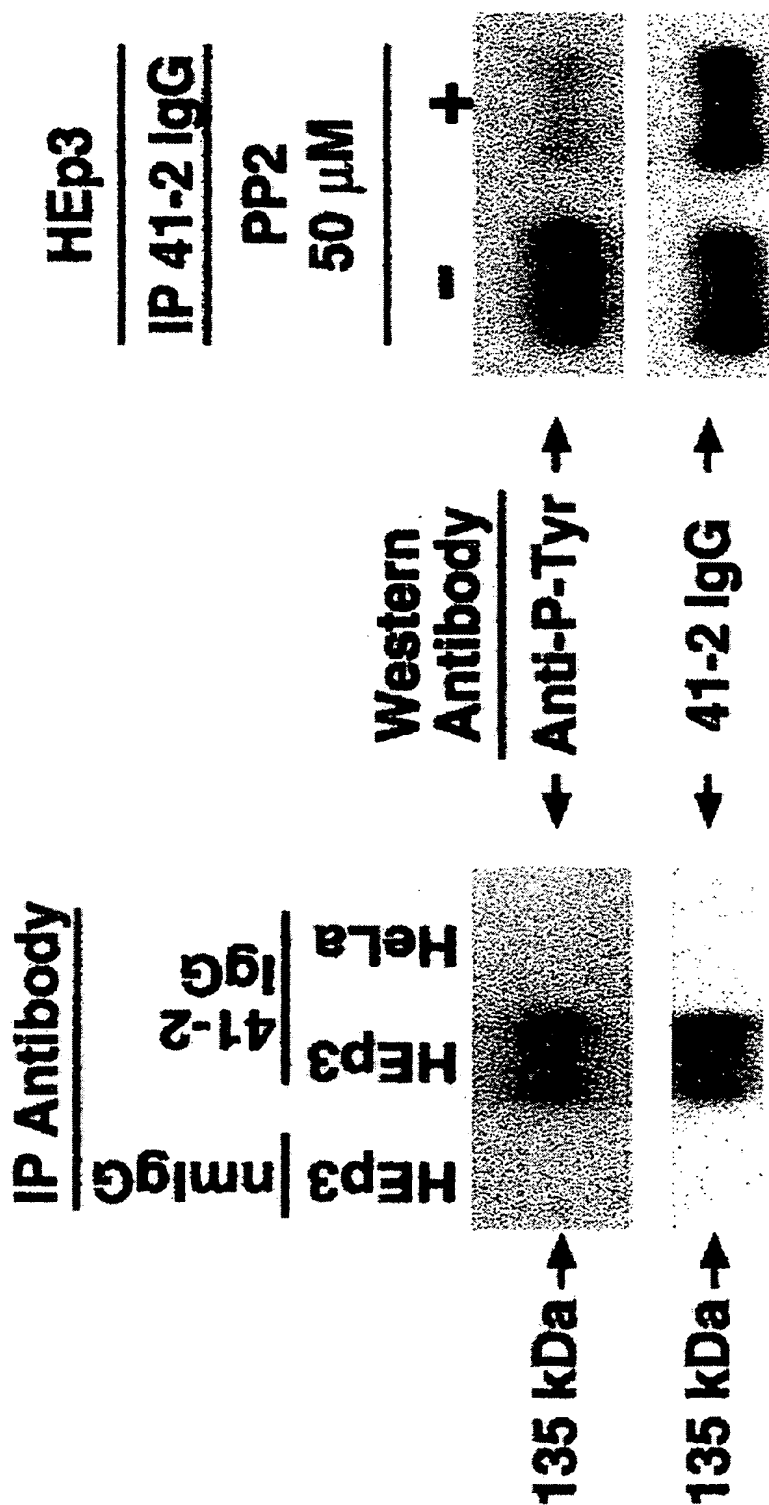


FIG. 5B

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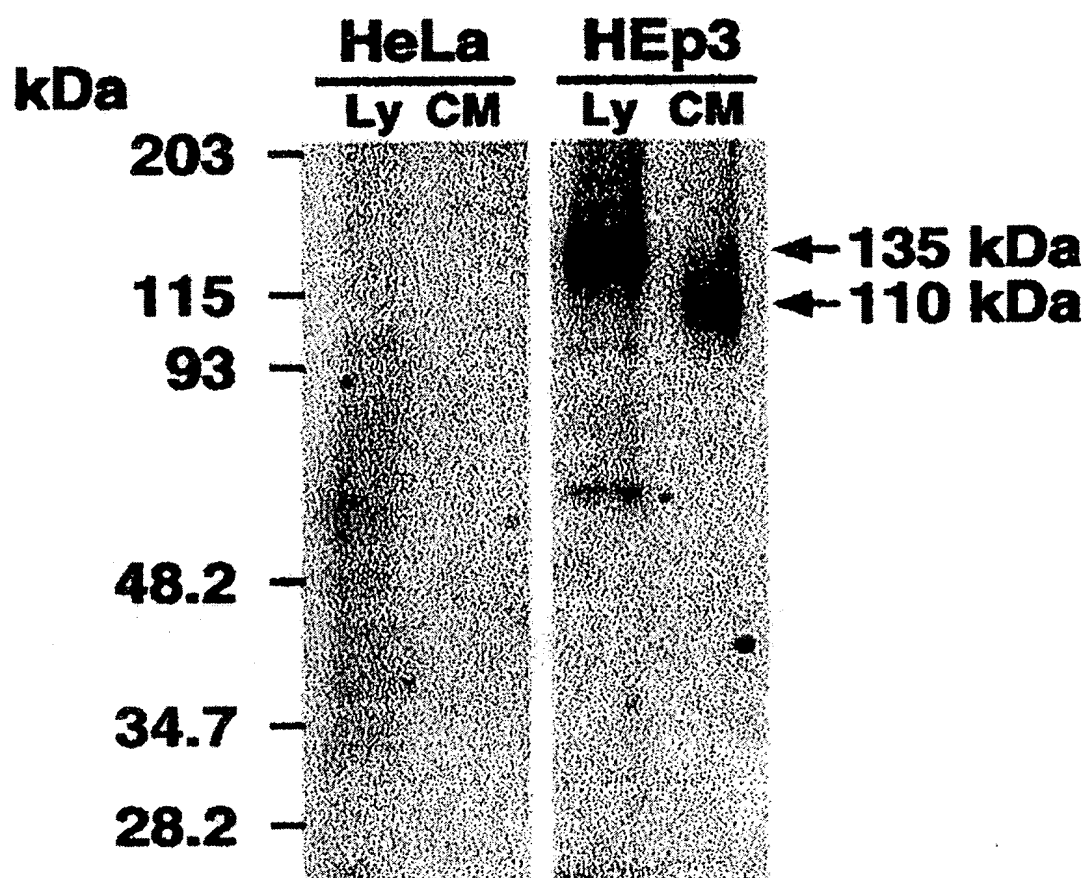


FIG. 5C

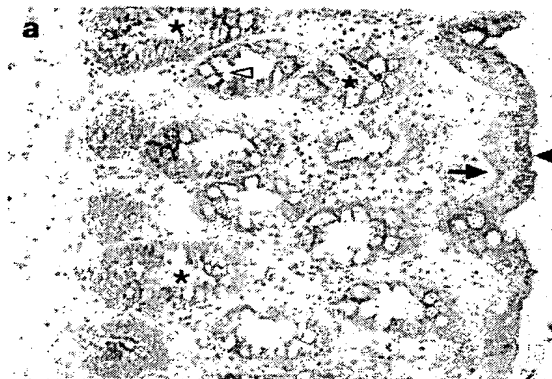


FIG. 6A

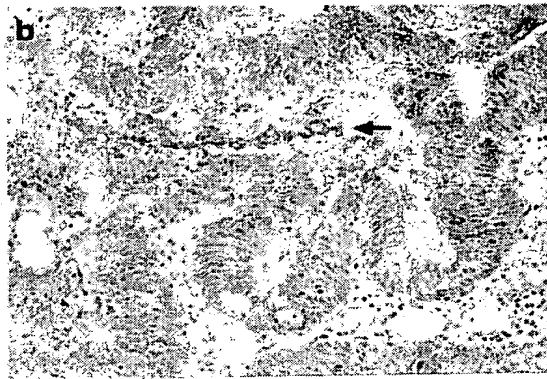


FIG. 6B



FIG. 6C

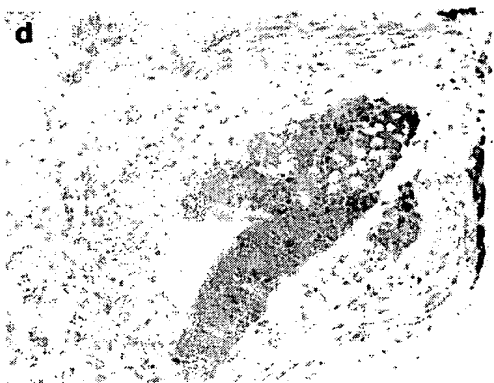
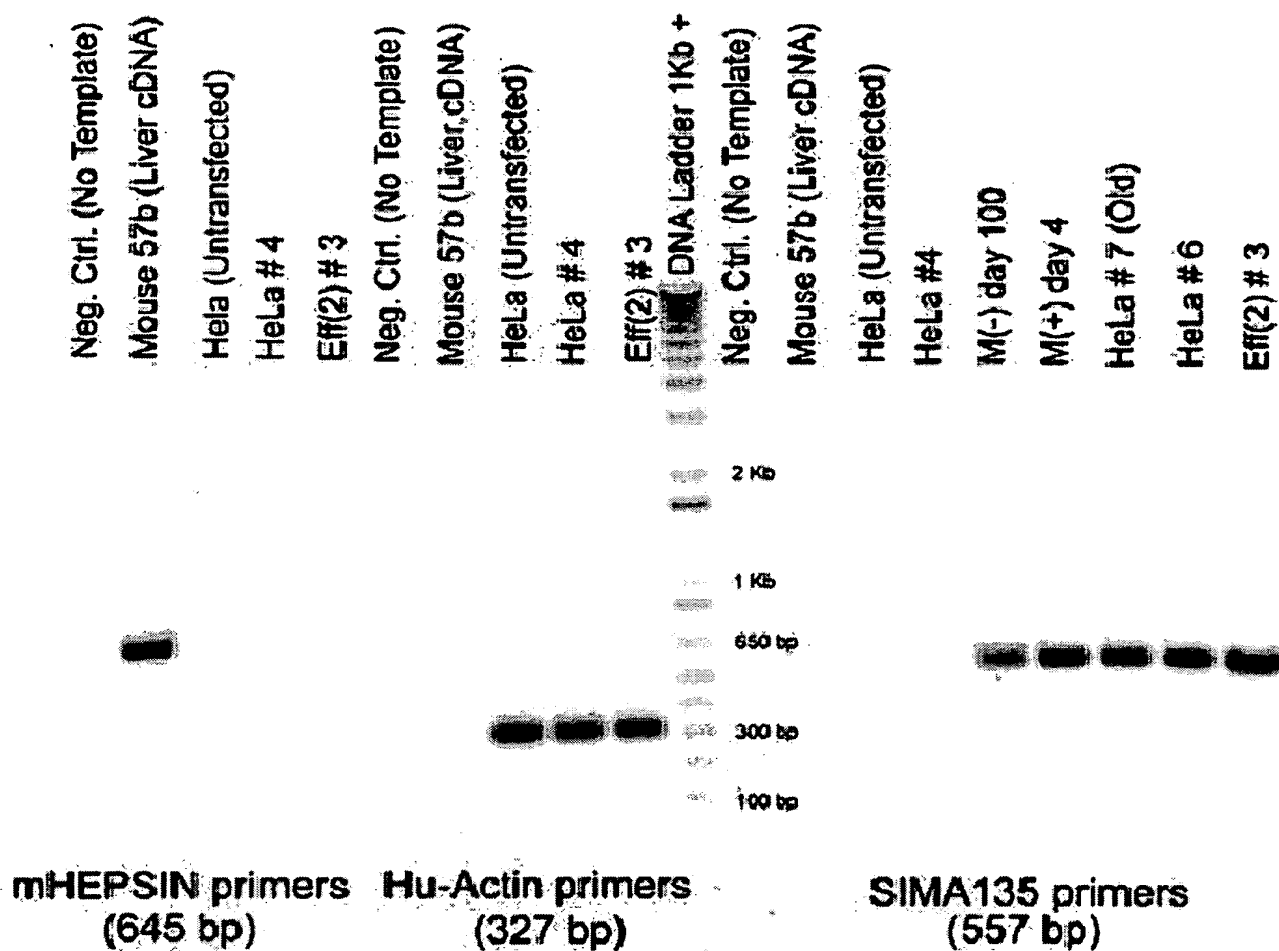


FIG. 6D

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35 cycle amplification

FIG. 7

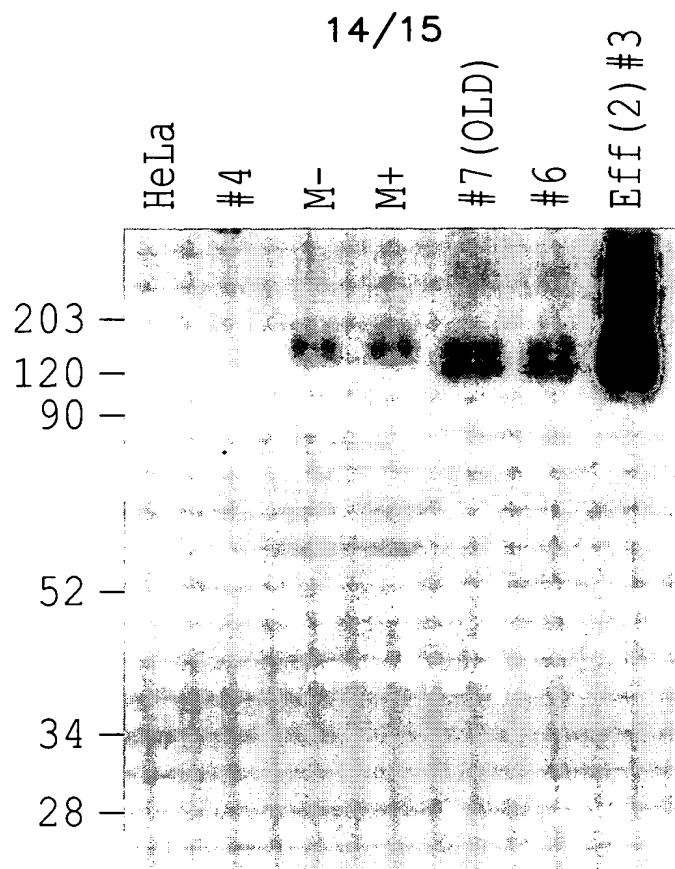


FIG. 8A

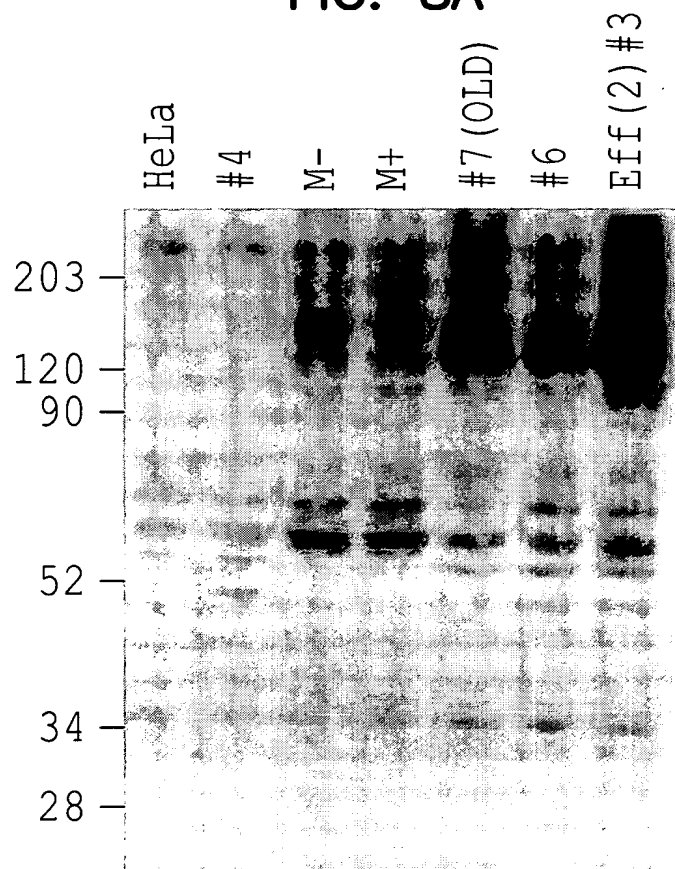


FIG. 8B

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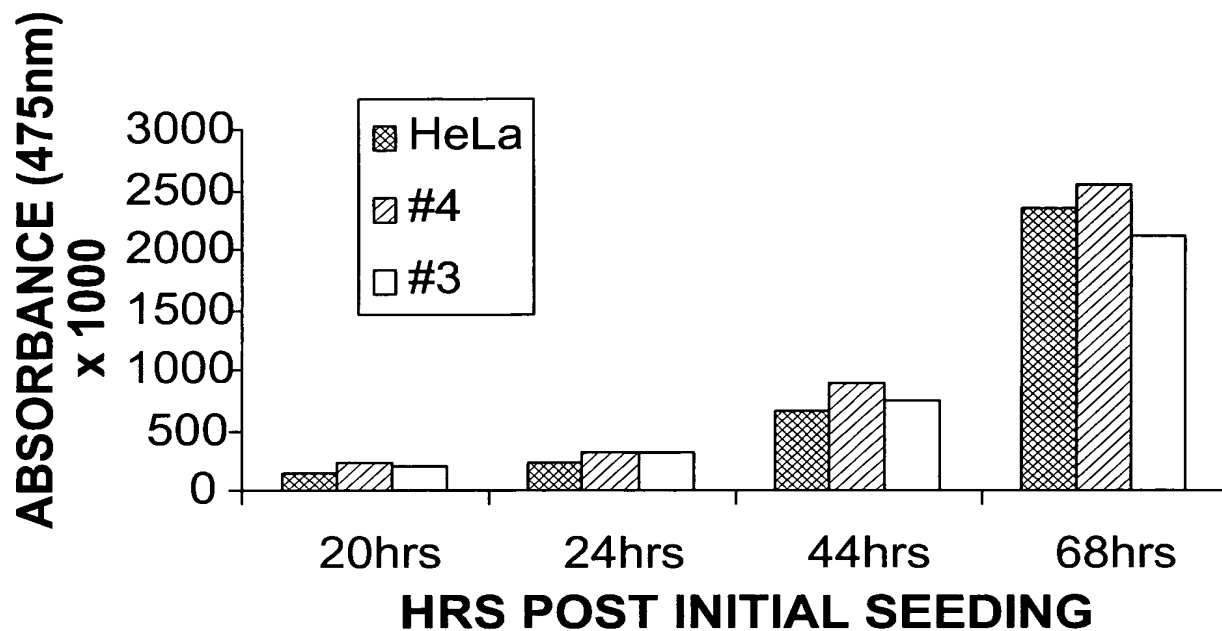


FIG. 9

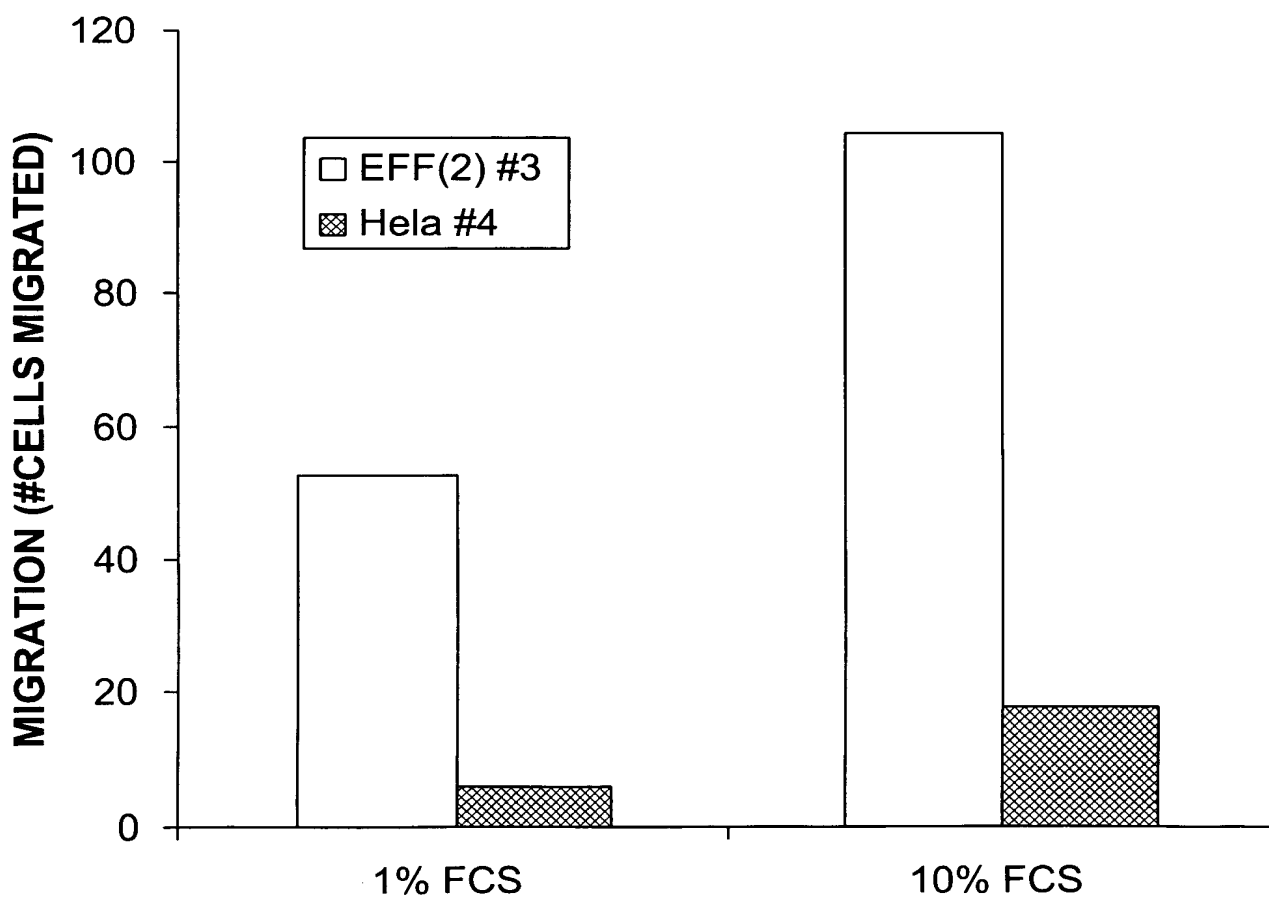


FIG. 10